"ENT COOPERATION TREA

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 22 November 2000 (22.11.00)	VAN HEUVEL, Margaretha DSM N.V. DSM Patents & Trademarks, Office Delft (994-0760) P.O. Box 1 NL-2600 MA Delft PAYS-BAS
Applicant's or agent's file reference WO 02954	IMPORTANT NOTIFICATION
International application No.	International filing date (day/month/year)
PCT/EP00/02191	09 March 2000 (09.03.00)
1. The following indications arrowed an arrowed as	
The following indications appeared on record concerning: The applicant the inventor	the agent the common representative
Name and Address	State of Nationality State of Residence
DSM N.V.	NL NL
Het Overloon 1 NL-6411 TE Heerlen	Telephone No.
Netherlands	+31 (0)455788111
	Facsimile No.
	+31 (0)455719753
	Teleprinter No.
·	
2. The International Bureau hereby notifies the applicant that the	he following change has been recorded concerning:
X the person X the name X the add	
Name and Address	State of Nationality State of Residence
COSMOFERM B.V.	NL NL
Wateringseweg 1 NL-2611 XT Delft	Telephone No.
Netherlands	+31 (0)455788111
	Facsimile No.
	+31 (0)455719753
	Teleprinter No.
3. Further observations, if necessary:	
4. A copy of this notification has been sent to:	
X the receiving Office	the designated Offices concerned
the International Searching Authority	X the elected Offices concerned
X the International Preliminary Examining Authority	other:
The international Fernandary Examining Authority	
	Authorized officer
The International Bureau of WIPO 34, chemin des Colombettes	Dominique DELMAS
1211 Geneva 20, Switzerland	Dominique Decimas
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

TENT COOPERATION TRE. Y

	From the	INTERNATIONAL BU	JREAU
PCT	To:		
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year)	Livorne		HEN N.V.
22 January 2001 (22.01.01)			
Applicant's or agent's file reference WO 02954		IMPORTANT NOTII	FICATION
International application No. PCT/EP00/02191		filing date (day/month/yerch 2000 (09.03.00)	ar)
The following indications appeared on record concerning: the applicant the inventor	X the agent	the commo	n representative
Name and Address VAN HEUVEL, Margaretha DSM N.V.		tate of Nationality	State of Residence
DSM Patents & Trademarks, Office Delft (994-0760)		elephone No. +31 (0)15 2793965 acsimile No.	,
P.O. Box 1 NL-2600 MA Delft Netherlands		+31 (0)15 2793957	
2. The International Bureau hereby notifies the applicant that t X the person the name the add		ange has been recorded c the nationality	oncerning: the residence
Name and Address GEVERS & VANDER HAEGHEN N.V. Livornostraat 7		tate of Nationality	State of Residence
B-1060 Brussel P.O. Box 1 Belgium		elephone No.	
beigium	F	acsimile No.	
	T.	eleprinter No.	
3. Further observations, if necessary:			
4. A copy of this notification has been sent to:			
X the receiving Office the International Searching Authority		the designated Offices of	
X the International Preliminary Examining Authority		the elected Offices conc other: Former Agent	
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized offi	cer R. Raissi	
Facsimile No.: (41-22) 740.14.35	Telephone No	: (41-22) 338.83.38	

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner **US Department of Commerce United States Patent and Trademark** Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 **ETATS-UNIS D'AMERIQUE**

From the INTERNATIONAL BUREAU

Date of mailing (day/month/year) 07 November 2000 (07.11.00)

in its capacity as elected Office

International application No. PCT/EP00/02191

Applicant's or agent's file reference WO 02954

International filing date (day/month/year) 09 March 2000 (09.03.00)

Priority date (day/month/year) 09 March 1999 (09.03.99)

Applicant

STREEKSTRA, Hugo et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	06 October 2000 (06.10.00)
B	in a notice effecting later election filed with the International Bureau on:
,	
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

Form PCT/IB/331 (July 1992)

Facsimile No.: (41-22) 740.14.35

The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20, Switzerland

Authorized officer

S. Mafla

Telephone No.: (41-22) 338.83.38



PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant	's or a	gent's file reference	T		<u> </u>
WO 02	954		FOR FURTHER ACT		tion of Transmittal of International Examination Report (Form PCT/IPEA/416)
Internatio	nal ap _l	olication No.	International filing date (day	nonth/year)	Priority date (day/month/year)
PCT/EF	200/0	2191	09/03/2000		09/03/1999
Internation C07C21		tent Classification (IPC) or na	tional classification and IPC		
COSMC	FER	M B.V. et al.			
1. This and	interr is trar	national preliminary exami exmitted to the applicant a	nation report has been pre ccording to Article 36.	ared by this Inten	national Preliminary Examining Authority
2. This	REPO	ORT consists of a total of	6 sheets, including this co	er sheet.	
	been a	amended and are the bas	I by ANNEXES, i.e. sheets is for this report and/or she 7 of the Administrative Ins	ts containing rect	claims and/or drawings which have iffications made before this Authority PCT).
Thes	e ann	exes consist of a total of	sheets.		
3. This	report	contains indications relat	ing to the following items:		
1	⋈	Basis of the report			
II		Priority			
HI		Non-establishment of op	inion with regard to novelt	inventive step ar	nd industrial applicability
IV		Lack of unity of inventior		,	темпечения другодошку
V	×	Reasoned statement und citations and explanation	der Article 35(2) with regarns suporting such statemer	to novelty, invent	ive step or industrial applicability;
VI		Certain documents cited	i		
VII	\boxtimes	Certain defects in the int	ernational application		
VIII	×	Certain observations on	the international applicatio		
Date of sub	missio	n of the demand	Dat	of completion of this	s report
06/10/20	00		16.0	3.2001	
Name and r preliminary	exami	address of the international ning authority:	Aut	orized officer	SEPTEMBER MUNICIPAL SEPTEMBER SEPTEM
<u>a</u>))	D-80 Tel	pean Patent Office 298 Munich -49 89 2399 - 0 Tx: 523656 e	pmu d	otweg, A	
	rax:	+49 89 2399 - 4465	Tele	hone No. +49 89 23	99 8326

05-09-01 11:59 From-05/09 '61 MI 13:14 FAX +49 ZU1

+64-20-7554-545

COMPONENT WITH WAS

T-586 P.02/08 F-755

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

GEVERS & VANDER HAEGHEN N.V.

LivernostraapTO/PCT Rec'd 10 SEP 2001

B-1060 Brussel BELGIQUE

19-03-2001PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing

(osy/month/year)

16.03.2001

Applicants or agent's file reference

WO 02954

International filing data (day/month/year)

09/03/2000

IMPORTANT NOTIFICATION Priority asta (day/month/year)

09/03/1999

Applicant

COSMOFERM B.V. et id.

international application No.

PCT/EP00/02191

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Of ices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to mose Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details and the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEN

enthorized officer

Pfitzner, G

European Pate 11 Office

D-80298 Munic 1 Tel. +49 89 2319 - 0 Tx: 529658 epmu d Fax: +49 89 2339 - 4485

Tel.+49 89 2399-8032

Form PCT/IPEA/41B (July 1992)

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No. PCT/EP00/02191

I.	В	asis of the report	
1	th	isponse to an invitati	drawn on the basis of (substitute sheets which have been furnished to the receiving Office in ion under Article 14 are referred to in this report as "originally filed" and are not annexed to do not contain amendments (Rules 70.16 and 70.17).):
	1-	13	as originally filed
	CI	aims, No.:	
	1-	12	as originally filed
	Dr	awings, sheets:	
	1/7	7-7/7	as originally filed
2.	Wit lan	th regard to the lang guage in which the i	uage, all the elements marked above were available or furnished to this Authority in the nternational application was filed, unless otherwise indicated under this item.
	The	ese elements were a	evailable or furnished to this Authority in the following language: , which is:
		the language of a t	ranslation furnished for the purposes of the international search (under Rule 23.1(b)).
		the language of pu	blication of the international application (under Rule 48.3(b)).
			ranslation furnished for the purposes of international preliminary examination (under Rule
3.	Witl inte	h regard to any nuc l rnational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:
		contained in the int	ernational application in written form.
			he international application in computer readable form.
			ently to this Authority in written form.
			ently to this Authority in computer readable form.
		The statement that	the subsequently furnished written sequence listing does not go beyond the disclosure in plication as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence

☐ the description,

☐ the claims,

listing has been furnished.

4. The amendments have resulted in the cancellation of:

pages:

Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/02191

		the drawings,	sheets:
5.		This report has been considered to go bey	n established as if (some of) the amendments had not been made, since they have been yond the disclosure as filed (Rule 70.2(c)):
		(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this
6.	Add	fitional observations, i	f necessary:

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims 4,7

No: Claims 1-3

Claims 1-3, 5-6, 8-12

Inventive step (IS)

Yes: Claims

No: Claims 1-12

Industrial applicability (IA)

Yes: Claims 1-12

No: Claims

2. Citations and explanations see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet

R Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. D1 EP-A-0 373 038

> A. KISIC ET AL.: 'Studies in the sphingolipids series, XXXIL. Synthesis D2 = and resolution into optical antipods of C20-phytosphingosine' CHEM. PHYS. LIPIDS (1971), 7, p. 135-143, 1972,

D. SHAPIRO ET AL.: 'The total synthesis of sphingosine' J. Am. D3 = Chem. Soc., vol. 80, 1952, p. 1194-1197,

ABRAHAMSSON, SIXTEN ET AL: 'Molecular arrangements in glycosphingolipids' CHEM. PHYS. LIPIDS (1972), 8(2), 152-79, 1972,

STICHT, G. ET AL: 'Chemical synthesis of D,L-3-dehydrosphinganine, D5 = its C14-, C16-, and C20-homologs and the resolution into the enantiomeric forms' CHEM. PHYS. LIPIDS (1972), 8(1), 10-25, 1972,

RUBINO, FEDERICO MARIA ET AL: 'Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision- induced decomposition tandem mass spectrometry' ORG. MASS SPECTROM. (1992), 27(12), 1357-64, 1992,

D7 = US-A-5 723 497

D8 = WO-A- 93/20038

N.Z. STANACEV ET AL.: 'Studies on the chemistry of mucolipids: D9 = occurence of the long-chain base icosisphingosine, composition of fatty acids, fractionation attempts' BIOCHIM. BIOPHYS. ACTA, vol. 98, 1965, pages 168-181,

D10 =WO-A-90/07571

D11 =GB-A-2 323 594

D12 =WO-A-98/49999 (cited in the application)

The following prior art documents disclose salts of "sphingoid bases" and their 2. uses:

D1 (p. 12, l. 41; p. 13, l. 10; see also claim 1, l. 46; claims 49, 61 and 63), D2 (salt of 8a with tartaric acid),

D3 (erythro-2-amino-3-hydroxy-4-octadecanoate-hydrochloride on p. 1196 right hand column),

D4 (compounds I, II and XI on p. 153, see also p. 154 "II. Materials and Methods", p. 156 "sphingosine hydrochloride and hydrobromide", and p. 159 first 3 lines),

D5 (p. 12 "3-hydro-sphingamine hydrochloride, p. 16, l. 16-24 and table 1),

D6 (compounds in fig. 1 on p. 1158),

D7 (for example compounds la-16, Ila-11, Ila-12, Ilb-2, and Ilc-8 together with claim 1)

D8 (the compounds disclosed on p. 6, l.15-20 together with p. 6, l. 28-29, see claims 1-3 and p. 1, I. 20-23 and I. 33-37)

D9 (composition in Table I, and compounds indicated on p. 172, I.8-10). These compounds fall within the definition given in claims 1-3, 5, 6 and 8-12 (Art. 33 (2) PCT).

- Claims 4 and 7 can be considered to satisfy Art. 33 (2) PCT because, sphingoid 3. base salts of the specific acids indicated in claim 4 were not disclosed in the prior art and claim 7 because the use of ethanol or methyl isobutyl ketone as a solvent for preparing sphingoid base salts has not been disclosed in the prior art.
- The sphingoid base derivatives of the prior art as set out above are also used for 4. medicinal and cosmetic purposes. The problem to be solved can, therefore, be defined as finding further compounds for this purpose. The applicant has indicated on p. 2 that the claimed compounds have increased solubility in water and improved efficacy when formulated in aqueous compositions. Comparisons were made only with compositions containing pure base. No comparison has, therefore, been made to the closest prior art. As such claims 1-12 are considered not to satisfy Art. 33 (3) PCT.

Re Item VII

Certain defects in the international application

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art 4. disclosed in the documents D1-11 is not mentioned in the description, nor are these documents identified therein.

EXAMINATION REPORT - SEPARATE SHEET

R Item VIII

Certain observations on the international application

The term "sphingoid" (resembling a sphingosine compound) is considered not 5. clear (Art. 6 PCT).



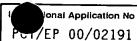
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of	f Transmittal of International Search Report
WO 02954	ACTION (Form PCT/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 00/02191	09/03/2000	09/03/1999
Applicant		0370271333
DSM N.V. et al.		
This International Search Report has been according to Article 18. A copy is being training. This International Search Report consists of		ority and is transmitted to the applicant
	of a total of sheets. a copy of each prior art document cited in this	report.
Basis of the report		•
a. With regard to the language, the in	nternational search was carried out on the basi ss otherwise indicated under this item.	s of the international application in the
, idinonty (Fidie 25, 1(D)).	s carried out on the basis of a translation of th	
 b. With regard to any nucleotide and was carried out on the basis of the 	/or amino acid sequence disclosed in the inte	ernational application, the international search
	al application in written form.	
	national application in computer readable form	
	his Authority in written form.	
_	his Authority in computer readble form.	
the statement that the subs international application as	equently furnished written sequence listing do filed has been furnished.	es not go beyond the disclosure in the
		dentical to the written sequence listing has been
2. Certain claims were found	l unsearchable (See Box I).	
3. Unity of Invention is lacking	· · · · · · · · · · · · · · · · · · ·	
		•
4. With regard to the title,		
the text is approved as subn		
	d by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as subm the text has been established within one month from the data	nitted by the applicant. d, according to Rule 38.2(b), by this Authority ate of mailing of this international search repor	as it appears in Box III. The applicant may, t, submit comments to this Authority
6. The figure of the drawings to be publish		
as suggested by the applican		X None of the figures.
because the applicant failed	to suggest a figure.	
because this figure better ch	aracterizes the invention.	
orm BCT/ICA/040 (Cart all and		

INTERMINIONAL SEARCH REPORT



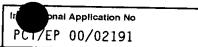
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C215/24 A61k A61K31/133 A61K7/48 A61K7/06 A61P31/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C A61K A61P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) CHEM ABS Data, WPI Data, PAJ, BEILSTEIN Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X ABRAHAMSSON, SIXTEN ET AL: "Molecular 1-3 arrangements in glycosphingolipids" CHEM. PHYS. LIPIDS (1972), 8(2), 152-79, 1972, XP000920601 page 153; figure 1 page 156, paragraph B -page 159 page 158; figure 3 X WO 90 07571 A (UNIV EMORY) 1-3, 10,12 July 1990 (1990-07-12) 11 claims 20-27 χ WO 93 20038 A (GIST BROCADES NV ; SMEETS 1 - 3JAN WILLEM HUBERT (NL); WEBER PIETER GIJS) 14 October 1993 (1993-10-14) page 10 -page 25 page 10, line 2 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document. "O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 16 June 2000 06/07/2000 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Pauwels, G Fax: (+31-70) 340-3016



In popular Application No PCT/EP 00/02191

C/Continu		PCT/EP 0	0/02191
Category °	Citation of document, with indication, where appropriate, of the relevant passages		
	appropriate, of the relevant passages		Relevant to claim No.
χ.	EP 0 373 038 A (FIDIA SPA) 13 June 1990 (1990-06-13) example 3		1-3,6,8
X	STICHT, G. ET AL: "Chemical synthesis of D,L-3-dehydrosphinganine, its C14-, C16-, and C20-homologs and the resolution into the enantiomeric forms" CHEM. PHYS. LIPIDS (1972), 8(1), 10-25, 1972, XP000914283 page 18	·	1-3
x	D. SHAPIRO ET AL.: "The total synthesis of sphingosine" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 80, 1952, pages 1194-1197, XP002140009 DC US page 1196, last paragraph -page 1197, left-hand column		1-3,6
(M. PROSTENIK ET AL.: "Studies in the sphyngolipids series-XXIV Synthesis of C18-phytosphingosine" TETRAHEDRON., vol. 21, 1965, pages 651-655, XP002140010 OXFORD GB page 654, paragraph 4 page 655, paragraph 4		1-3
	US 5 723 497 A (IMOKAWA GENJI ET AL) 3 March 1998 (1998-03-03) claims		1-12
	GB 2 323 594 A (MARTIN VICTOR ;KOKOTOS GEORGE (GR)) 30 September 1998 (1998-09-30) page 6 claim 3		1-12
	WO 98 49999 A (STREEKSTRA HUGO ;GIST BROCADES BV (NL); LAMBERS JOHANNES WILHELMUS) 12 November 1998 (1998-11-12) cited in the application claims		1-12
	N.Z. STANACEV ET AL.: "Studies on the chemistry of mucolipids: occurence of the long-chain base icosisphingosine, composition of fatty acids, fractionation attempts" BIOCHIM. BIOPHYS. ACTA, vol. 98, 1965, pages 168-181, XP000914314 page 172, paragraph 1		1-3
	 -		
	,		





	Citation of document, with indication, where appropriate, of the relevant passages A. KISIC ET AL.: "Studsies in the sphingolipids series, XXXIL. Synthesis and resolution into optical antipods of C20-phytosphingosine" CHEM. PHYS. LIPIDS (1971), 7, 135-143, 1972, XP000914282 page 142 -page 143 RUBINO, FEDERICO MARIA ET AL: "Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry" ORG. MASS SPECTROM. (1992), 27(12), 1357-64, 1992, XP000914394 page 1337, right-hand column, paragraph 3	Relevant to claim No. 1-3
x	A. KISIC ET AL.: "Studsies in the sphingolipids series, XXXIL. Synthesis and resolution into optical antipods of C20-phytosphingosine" CHEM. PHYS. LIPIDS (1971), 7, 135-143, 1972, XP000914282 page 142 -page 143 RUBINO, FEDERICO MARIA ET AL: "Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry" ORG. MASS SPECTROM. (1992), 27(12), 1357-64, 1992, XP000914394	1-3
	sphingolipids series, XXXIL. Synthesis and resolution into optical antipods of C20-phytosphingosine" CHEM. PHYS. LIPIDS (1971), 7, 135-143, 1972, XP000914282 page 142 -page 143 RUBINO, FEDERICO MARIA ET AL: "Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry" ORG. MASS SPECTROM. (1992), 27(12), 1357-64, 1992, XP000914394	
	"Characterization of sphingosine long-chain bases by fast atom bombardment and high-energy collision-induced decomposition tandem mass spectrometry" ORG. MASS SPECTROM. (1992), 27(12), 1357-64, 1992, XP000914394	1-3

INTERMINIONAL SEARCH REPORT

nform on patent family members

PCT/EP 00/02191

						00/02191
	nt document search report		Publication date		Patent family member(s)	Publication date
WO 9	007571	Α	12-07-1990	US AU CA GR US	5190876 A 4816790 A 2006015 A 89100846 A 5459057 A	02-03-1993 01-08-1990 27-06-1990 15-03-1991 17-10-1995
WO 9:	320038	A	14-10-1993	AT AU CA DE DE EP ES US	147067 T 670818 B 4959093 A 2131184 A 69307131 D 69307131 T 0633875 A 2098735 T 5631356 A	15-01-1997 01-08-1996 08-11-1993 14-10-1993 13-02-1997 24-04-1997 18-01-1995 01-05-1997 20-05-1997
EP 03	373038	A	13-06-1990	IT AU AU CA DE DK HU JP NO NZ US	1235162 B 149506 T 632771 B 4566489 A 2004190 A 68927821 D 68927821 T 589789 A 209561 B 52107 A,B 2200691 A 3004297 B 894819 A 231590 A 5792858 A 5519007 A	22-06-1992 15-03-1997 14-01-1993 21-06-1990 02-06-1990 10-04-1997 25-09-1997 03-06-1990 28-07-1994 28-06-1990 08-08-1990 31-01-2000 05-06-1990 23-12-1992 11-08-1998 21-05-1996
US 57	23497	Α	03-03-1998	JP JP JP JP JP JP JP DE DE EP WO	6271443 A 6271444 A 6271445 A 6271446 A 6271447 A 6271448 A 6271449 A 6321766 A 6321873 A 7017849 A 69419601 D 69419601 T 0691327 A 9421595 A	27-09-1994 27-09-1994 27-09-1994 27-09-1994 27-09-1994 27-09-1994 27-09-1994 22-11-1994 22-11-1994 20-01-1995 26-08-1999 02-12-1999 10-01-1996 29-09-1994
GB 23	23594	Α	30-09-1998	NONE	- 	
WO GR	49999	Α	12-11-1998	EP	0914075 A	12-05-1999